M-1010 MR

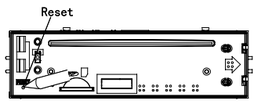
User Manual
CAR RADIO CD/MP3
PLAYER WITH USB & SD

Please read the instruction carefully before operating the unit.

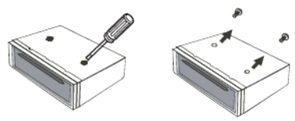
English

PRECAUTIONS

1. Do not attempt to modify the unit, modifying the unit may cause an accident.
2. Installation or servicing of the unit by persons without training and experience in electronic equipment and automotive accessories may be dangerous and could expose you to the risk of electric shock or other hazards.
3. Stop the vehicle before carrying out any operation that could interfere with your driving.
4. Keep the volume at a level which you could hear sounds from outside the vehicle.
5. Do not work in extremely high or low temperature. Be sure the temperature inside the vehicle is between +60°C and -10°C before turning on your unit.
6. When replacing the fuse(s), the replacement must be of the same amperage as shown on the fuse holder.
7. Do not block vents or radiator panels. Blocking them will cause heat to build up inside and may result in fire.
8. Using this unit without running the engine can result in battery drainage.
9. Use only in cars with a 12 volt negative ground.
10. After completing the installation and beginning to play the unit(including replacing the battery), please remove the front panel at first, and then press RESET button on the base with pointed object (such as ball-point pen) to set the unit to initial status.



11. Before you install the unit, remove absolutely the two transportation screws on top of the unit.

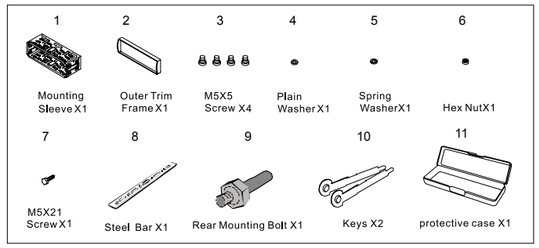


Notice on disc
Use such discs may cause malfunction or breakdown of the internal mechanism: with large scratches; with irregular shape; cracked; with any cellophane tape or other glue on it or with peeling off marks; with protection sheet; equipped with stabilizers, etc.
* Do not attempt to load more than one disc.
* Only 12cm discs are compatible.
* New discs may have some roughness around the edges. Before load such disc into the player, use a ball-point pen or the like to remove any roughness from the edge of the disc.
* If there is a scratch, dirt or fingerprints on the disc, it may cause tracking error. Before playing, clean the disc with a clean cloth. Wipe the disc from the center out.

* Don't store discs in places with high temperatures or high humidity, they can become warped. After playing, store the disc in its case.

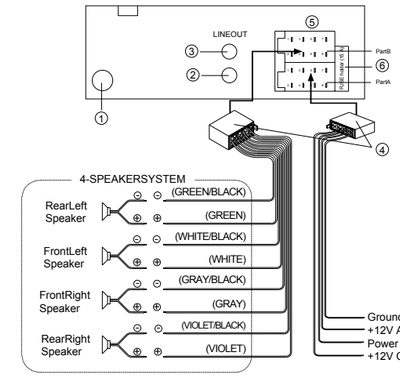
UNPACK YOUR UNIT

When you unpack your new car radio, make sure that you have removed all the accessories and information papers:
Main unit
User manual
Accessories:



CONNECTION

1. Antenna socket
2. Line out Right (red)
3. Line out Left (white)
4. Output plug (male)
5. Output plug (female)
6. FUSE holder (15 A)

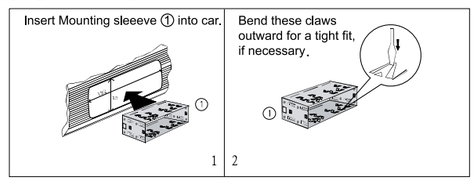


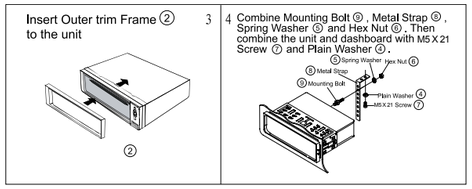
Caution!
- Make sure to connect the color coded leads according to the diagram. Incorrect connections may cause the unit to malfunction or damage the vehicle's electrical system.
- Make sure to connect the speaker (-) leads to the speaker (-) terminal. Never connect the left and right channel speaker cables each other or to the vehicle body.
- Make sure all the connections are completely correct before turning on your unit.

Do not connect the ignition wire (red) and the battery wire (yellow), it may cause a short circuit, even result in fire.

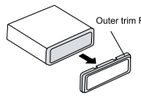
INSTALL AND REMOVE THE UNIT

Install the unit
- Method 1: DIN Front-Mount

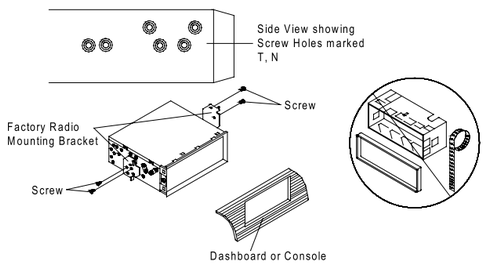



Insert Outer trim Frame ②
to the unit
3
4 Combine Mounting Bolt ⑨, Metal Strap ⑤, Spring Washer ③ and Hex Nut ⑥, Then combine the unit and dashboard with M5X21 Screw ⑦ and Plain Washer ④.
③Spring Washer
Hex Nut ⑥
⑤Metal Strap
⑨Mounting Bolt
Plain Washer ④
M5X21 Screw ⑦
②

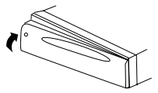
- Method 2 DIN Rear-mount (For Japanese car)



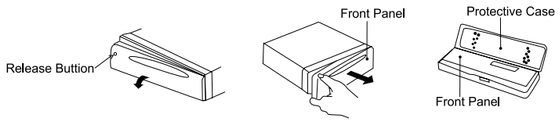
1. Remove the outer trim frame.
2. Select a position where the screw holes of the mounting bracket supplied with the car and the screw holes of the main unit become aligned (are fitted).
3. Tighten the screws. And then fasten them to the car.



Install the front panel
Insert the panel into the housing and make sure the panel is properly installed. Otherwise, abnormality occurs on the display or some keys will not function properly.

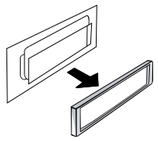


Remove the Front Panel
Press ⏏ button in the upper left corner, and then the front panel will be folded down.

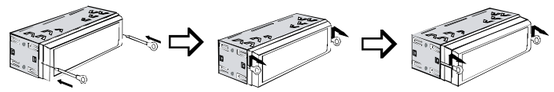


Note: Never put any objects into the front panel.

Remove the unit
1. Detach the front panel. (please refer to upper part)
2. Take out the outer trim frame.

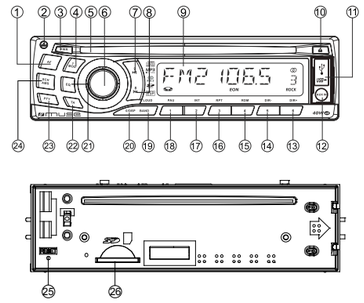


3. Insert the keys supplied to the unit at the both sides of the unit (shown as illustrated) until they click. Pulling the keys and makes them to remove the unit from the dashboard.



LOCATION OF CONTROLS

1. **AF** button
2. ⏏(release button)
3. **PWR** button
4. **7/MOD** button
5. disc slot
6. **SEL/VOL** knob
7. **9/** ▶▶| button
8. **8/** |◀◀ button
9. LCD display
10. ⏏ (eject button)
11. USB Port
12. AUX IN jack
13. **6/DIR+** button
14. **5/DIR-** button
15. **4/RDM** button
16. **3/RPT** button
17. **2/INT** button
18. **1/PAU** button
19. **BAND/LOUD** button
20. **0/DSP** button
21. **EQ** button
22. **TA** button
23. **PTY** button
24. **SCH/AMS** button
25. **RESET** button
26. SD/SDHC/MMC slot



BASIC OPERATION

Turning on/off the unit
Press **PWR** button to turn on the unit. Press this button again to turn off the unit.
Note: When the unit is off, press any key except ⏏ to turn on the unit.

Selecting the mode
After the unit is on, press **7/MOD** button to select different sourcing mode: Radio ⟶ CD ⟶ USB ⟶ SD/MMC ⟶ AUX

Time display
Press **0/DSP** button to show the current time on display.
Adjust time: Long press **0/DSP** until clock time with flashing hour digits appears.
Then Press ▶▶| and |◀◀ button to adjust the hour value and press **0/DSP** to confirm.
Then minute digits flash. Press ▶▶| and |◀◀ button to adjust the minute value and press **0/DSP** to confirm.

Information display
- In case a RDS station is received.
In radio mode: CT -> FREQ ->PTY ->PS
In CD (MP3 / WMA) mode: CD (MP3/WMA) -> CT -> FREQ -> PTY ->PS
- In case received station is not RDS.
In radio mode: CT -> FREQ -> NO PTY -> NO PS
In CD mode: CD -> CT -> FREQ -> NO PTY -> NO PS

NOTE: It will return to normal play mode if no key is pressed within 5 seconds.

Reset the unit
Operating the unit for the first time or after replacing the car battery, you must reset the unit. To set the unit to initial status, press **RESET** button located on the base with a pointed object. When some errors occur in display, you can also reset the unit, but it will erase the clock setting and some memorized functions.

SOUND FEATURES

Volume adjusting:
To increase or decrease the sound level, rotate **SEL/VOL** knob clockwise or anti-clockwise.

Setting the Sound:
Repeatedly press **SEL/VOL** knob to select the desired mode in the following order : "BAS" (Bass) -> "TRE" (Treble) -> "BAL" (Balance) -> "FAD" (Fader) ->"BEEP" (BEEP ON/OFF) -> "TA VOL" (TA volume) ->"LOC" (local) ->"STEREO" -> "EON" (EON ON/OFF) -> "VOL" (Volume). After selecting the desired mode, you can adjust the current level by rotating the **SEL/ VOL** knob.
- **BEEP:** In Beep mode, rotate **SEL/VOL** to select "BEEP ON" or "BEEP OFF", for corresponding BEEP status.
- **EON:** please refer to RDS operation.
Note: The unit will return to the previous mode after 5 seconds without key press.

Preset equalizer
When you are listening to pop music, classic music or rock music, use the equalizer to adjust the sound quality. Repeatedly press **EQ** button to select different equalizer mode in following order: FLAT->POP->ROCK->CLASS -> EQ off.

Switching Loudness On/off
Press and hold **BAND/LOUD** button until "LOUD ON" shows on display to activate LOUDNESS function. By this function, you can increase the low frequency, which can improve sound sensitivity. Press and hold this button again until "LOUD OFF" to cancel LOUDNESS function.

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LISTENING TO THE RADIO

Selecting band
In tuner mode, repeatedly press **BAND/ LOUD** button to select bands in following order: FM1->FM2->FM3.

Manual/automatic tuning

- **Manual Tuning**
Press and hold button ⏭or ⏮ until “MANUAL” shows on display, then press button ⏭ or ⏮ continuously to select a station upward or downward. Press and hold button ⏭ or ⏮ to tune the station with a faster speed.

- **Automatic Tuning**
Press ⏭ or ⏮ once, the radio automatically searches a station upward or downward respectively and plays when it finds a station. Press ⏭ or ⏮ once to stop scanning.

Scanning/memorizing stations automatically
- By **SCH/AMS** button
In tuner mode, press and hold **SCH/AMS** button for 3 seconds to start scanning for stations and store them automatically in memory.
Press **SCH/AMS** button, the radio plays each preset station for a few seconds. Press **SCH/AMS** again or numeric buttons 1-6 to listen to corresponding station.

- By number button **1-6**
1. Tune to a station by ⏭ or ⏮button.
2. Press and hold one of the **1- 6** Number buttons for 2 seconds until LCD shows the corresponding number, which indicates that station is stored in the corresponding number button.
3. Under radio mode, press **1- 6** Number buttons to listen to stored stations.
4. When you are listening to a station stored on a number button, press and hold another number button for more than 2 seconds to store the station on this number button.
Note: The unit can be stored up to 6 stations for each band.

-- RDS (Radio Data System) Operations --
This unit has a built-in RDS decoder system that supports broadcast stations transmitting RDS data. This system can display the name of the broadcast station being received and can automatically switch to the broadcast station with the best reception as you travel on long distances (AF switching). A traffic announcement broadcast from a RDS station, no matter what mode you are. Additionally, if EON information is received, enables automatic switching of other preset stations on the same network and interruption of the station being received with traffic information. This function is not available in some areas.

Alternative frequency (AF)
The AF function switches to a different frequency on the same network in order to maintain optimum reception. In FM mode, press **AF** button, certain program will be automatically searched and received. If the reception of the current broadcast station deteriorates, “**AF**” appears in the display and the radio searches for the same program on another frequency. Press **AF** button again to cancel this function.
When reception is bad, the “**AF**” icon will blink.
Press and hold **AF** button for 3 seconds, the unit will be under “REG ON” or “REG OFF” mode:

REG ON: Should be selected to list the local broadcast of the current station, even if there is a national broadcast of this station.
REG OFF: Should be selected to listen to the national broadcast of the current station.

Traffic alarm (TA)
In the **TA** standby mode, when a traffic announcement broadcast starts, the traffic announcement broadcast is received as top priority regardless of the function mode so you can listen to it. Traffic programme (TP) automatic tuning is also possible.
Press **TA** button, when LCD shows “TA”, traffic program will be automatically searched and saved, when LCD shows “TP”, this means that the RDS broadcast station being received has traffic announcement programmes.
If you press **TA** button while a traffic announcement broadcast is being received, the traffic announcement broadcast reception is cancelled and the unit goes into the TA standby mode.
If a TP station is not received, the unit continues searching.
Press **TA** button again to stop searching, “TA” goes off.

ALARM
“**ALARM**”will be displayed when an emergency broadcasting is received; meanwhile sound output level will be adjusted to the preset output level automatically when the volume control is set at minimum.

EON: (Enhanced Other Networks Information)
Press and rotating **SEL/VOL** to select EON mode, EON ON. When receive the EON information, the EON indication is on. With EON facility, it offers the ability for local stations to ”break into” a national station’s broadcast for the duration of a Traffic Announcement.

Program type selecting (PTY)
When **PTY** is selected, the radio starts to search corresponding PTY information, and stops when the corresponding PTY information is detected.
If corresponding PTY information does not exist any more, PTY is automatically stopped to normal mode.
When PTY mode is engaged. The PTY switch is shared as follows:

According to above 2 groups, the preset number is used for PTY selection as follows:
MUSIC group
1. POP M, ROCK M
2. EASY M, LIGHT M
3. CLASSICS, OTHER M
4. JAZZ, COUNTRY
5. NATION M, OLDIES
6. FOLK M

SPEECH group
1. NEWS, AFFAIRS, INFO
2. SPORT, EDUCATE, DRAMA
3. CULTURE, SCIENCE, VARIED
4. WEATHER, FINANCE, CHILDREN
5. SOCIAL, RELIGION, PHONE IN
6. TRAVEL, LEISURE, DOCUMENT

LISTENING TO DISC/USB/SD

Load/Remove a disc
Insert the disc into the DISC SLOT with the printed side facing up. The player will play the disc automatically. If a disc was inserted, press **7/MOD** button to start playing.
To remove the disc, press ⏏ button.

To insert a USB devices (not included)
Open the front panel, connect your USB device to the USB port, it will switch to “USB” mode automatically. If USB has been inserted, press **7/MOD** button to switch to USB mode.

To insert an SD/SDHC/MMC card (not included)
Press button ⏏ to fold down the front panel first. Insert your SD/SDHC/MMC card in card receptacle. Close the front panel and it will automatically start playing. If SD/SDHC/MMC card has been inserted, press **7/MOD** button to switch to card mode.

Basic player functions
Play/pause: press **1/PAU** to suspend momentarily the playing track. Press **1/PAU** again to resume playing.
Skip/fast search: press button ⏭ to skip forward to next track and ⏮ to skip backward to previous track. Press and hold ⏭ or ⏮ to search quickly within a track.
Intro scan: press **2/INT** button when it show “INT ON”, then the player will play the first 10 seconds of each track in the disc, press again to cancel this function when it show “INT OFF”.
Repeat : Press **3/RPT** button once to repeat your desired track. Press again to repeat all.
Random playback: Press **4/RDM** button, all tracks will play randomly.
Directory selection: Press **DIR**-button or **DIR** + button to select directory downward or upward. If the MP3 disc does not contain any directory, there is no function of pressing **DIR**- button or **DIR** + button.

Searching a track in MP3-CD/USB/SD:
Use the keys for corresponding number or letter when you search a music file:

KEY	Mode Select
SEL/VOL(press)	ENTER
M1 **(1/PAU)**	A, B, C, 1
M2 **(2/INT)**	D, E, F, 2
M3 **(3/RPT)**	G, H, I, 3
M4 **(4/RDM)**	J, K, L, 4
M5 **(5/DIR -)**	M, N, O, 5
M6 **(6/DIR +)**	P, Q, R ,6
7/MOD	S, T, U, 7
8/⏮	V, W, X, 8
9/⏭	Y, Z, SPACE, 9
0/DSP	_,-,+,0
SEL/VOL(rotate)	All the CHARACTER above

- **Search by track number:**
1. Press **SCH/AMS** button once, LCD shows “NUM SCH” and “NUM ***”, press the keys standing for corresponding numbers (refer to upper list).
2. Press **SEL/VOL** knob to start playing.

- **Search by letter:**
1. Press **SCH/AMS** button twice, LCD shows “FILE SCH” and “*- - - -”, press the keys standing for corresponding letters (refer to upper list).
2. Repeat this procedure until you finish the file name.
3. Press **SEL/VOL** knob to start searching.
4. Rotate **SEL/VOL** knob to select the file you want. Then press to start playing.

- **Search by folder:**
1. Press **SCH/AMS** button thrice, LCD shows “DIR SCH” then the total directories and available directories name.
2. Rotate the **SEL/VOL** knob to search your desired folder, press **SEL/VOL** knob to enter the selected directories.
3. Rotate the **SEL/VOL** knob to select your desired track, press **SEL/VOL** button to start playing.

Exit disc/USB/SD card mode
1. Press ⏏ to eject the disc. If the disc is not taken out within 10 seconds, it will be automatically reloaded.
2. To exit USB mode, disconnect your USB device from the unit, it will switch to tuner mode automatically.
3. To exit card mode, take out your SD/SDHC/MMC card from the unit, it will switch to tuner mode automatically.

Note
* Do not use CDs with irregular shape (for example octagonal or heart-shaped).
* Notes: CD-Rs or CD-RWs playback capability of this player may vary depending on quality media, CD-Burner, burning speed and application software.
* There are many USB devices or SD/SDHC/MMC card on the market. We cannot guarantee to support all different models. Please try another USB device or SD/SDHC/MMC card if your device is not supported.
* The unit might not support all the multimedia files stored in SD/SDHC/MMC card or USB because it includes some special playback procedure which might not be compatible with the procedure of this unit.

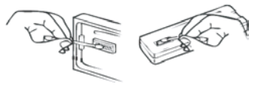
LISTENING TO AUXILIARY SOURCE

1. Connect your auxiliary source (e.g. mp3 player) to the AUX IN jack.
2. Press **PWR** button to turn the unit on.
3. Press **7/MOD** to select AUX mode.
4. Start playback from your auxiliary source.
5. Adjust the volume to desired level.
6. Disconnect your auxiliary source from the Aux in jack, press **7/MOD** button to select other source.

MAINTENANCE

Precaution
- Clean the front panel with a soft cloth, or damp chamois leather. Never use solvents.
- **Handling the Detachable Front Panel:** Do not expose to rain or water.
- Do not drop or apply shock.
- Make sure that you keep your set away from high temperatures.
- The use of apparatus in moderate climates.
- Do not be exposed to dripping or splashing, and that no object filled with liquids, such as vases, shall be placed on the apparatus.
- No naked flame sources such as lighted candles should be placed on the apparatus.

Cleaning the Connector
If the connector between the main unit and the front panel is dirty, may result in abnormal working condition. To avoid such problems, please detach the front panel, and clean the connector with an alcohol swab. Gently clean and avoid damaging the connector.



Notes:
For the sake of safety, always shut down the engine and take out the ignition key before cleaning. Never keep your finger or any metal device on the connector directly.

Replacing the Fuse
Make sure the amperage matches the specified value when replacing the fuses. If the fuse is blown, check the power connection and replace with a new one. If the same problem occurs, it would be subjected to the malfunction in-house. In such cases, please consult the nearest service dealer.

TROUBLE SHOOTING GUIDE

Symptom	Cause	Solution
No power.	The car ignition switch is not on.	If the power supply is connected to the car accessory circuits, but the engine is not moving, switch the ignition key to “ACC”.
	The fuse is blown.	Replace the fuse.
Disc cannot be loaded or ejected.	Presence of CD disc inside the player.	Remove the disc in the player, then put a new one.
	Inserting the disc in reverse direction.	Insert the compact disc with the label facing upward.
	Compact disc is extremely dirty or detective disc.	Clean the disc or try to play a new one.
	Temperature inside the car is too high.	Cool off or until the ambient temperature return to normal.
	Condensation.	Leave the player off for an hour or so, then try again.
No sound.	Volume is in minimum.	Adjust volume to a desired level.
	Wiring is not properly connected.	Check wiring connection.
Sound skips.	The installation angle is more than 30 degree.	Adjust the installation angle less than 30 degree .
	The disc is extremely dirty or defective disc.	Clean the compact disc, then try to play a new one.
The operation keys do not work.	The built -in microcomputer is not operating properly due to noise.	Press the RESET button. Front panel is not properly fixed into its place.
The radio does not Work.	The antenna cable is not connected.	Insert the antenna cable firmly.
The radio station automatic selection does not work.	The signals are too weak.	Select a station manually.

SPECIFICATIONS

General

Power Requirement	12V DC (11-16 V allowable)
Load Impedance	4ohms
Max. Power Output	40W x4
Tone Controls	±10 dB Bass at 100 Hz Treble at 10 kHz
Dimensions	Approx. 188 x 188 x 59 mm (d / w / h)
Mounting Dimensions	Approx. 169 x 182 x 53 mm (d / w / h)
Weight Approx.	Approx. 1.2 kg

FM Section

Tuning Range	87.5-108 (MHz)
IF Range	10.7 MHz
Usable Sensitivity (-30dB)	15 dBuV
Signal-to-noise Ratio	50 dB
Stereo Separation	25 dB

CD player Section

Signal-to-noise Ratio	60 dB
Separation	50 dB
Distortion	0.1%
Frequency Response	20 - 20000Hz

Note:
Due to continuous product improvement, specifications and design are subject to change without prior notice.

CAUTION! This set uses a laser beam. To prevent any accident due to this type of beam, the set should only be opened by properly trained personnel. The unit conforms to the international safety specifications and to guide lines of the European community and also complies with current standards concerning electrical safety and electromagnetic compatibility EMC.

WARNINGS

CAUTION
RISK OF ELECTRIC SHOCK
DO NOT OPEN

ATTENTION: To reduce the risk of electric shock, do not remove the cover. There are no user serviceable parts inside the unit. Refer all servicing to qualified personnel.

The lightening flash with arrowhead symbol within the triangle is a warning sign alerting the user of “dangerous voltage” inside the unit.

The exclamation point within the triangle is a warning sign alerting the user of important instructions accompanying the product.

CAUTION: Invisible laser radiation when open and interlocks defeated. Avoid exposure to beam.

WARNING - To reduce the risk of fire or electric shock, do not expose this appliance to rain or moisture.

If at any time in the future you should need to dispose of this product please note that Waste electrical products should not be disposed of with household waste. Please recycle where facilities exist. Check with your Local Authority or retailer for recycling advice.(Waste Electrical and Electronic Equipment Directive)

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